

ABSTRAC

Glass melting furnace, of the type consisting of a melting chamber, inside which is found the liquid glass mass, with an outlet, and at least one flue gas recuperative chamber, a means for supplying the influx of fuel, featuring at least one mass temperature gauge immersed in the liquid glass mass and placed approximately at a height (h_2) with respect to the bottom of the melting chamber of $1/3$ to $1/5$ of the height (h) of the level of the liquid glass mass, and $1/5 h \leq h_2 \leq 1/3 h$ on the longitudinal axis of the melting chamber at a distance (l_1) with respect to the wall of the chamber opposite the outlet, of between 0.6 and 0.85% of the length of the melting chamber $0.6l \leq l_1 \leq 0.85 l$.

For application in the manufacture of glass containers.